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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

01/26/2010

Woodard, Emhardt, Naughton, Moriarty and McNett Bank One Center/Tower Suite 3700 111 Monument Circle Indianapolis, IN 46204-5137 EXAMINER

LEAVITT, MARIA GOMEZ

ART UNIT PAPER NUMBER

1633

DATE MAILED: 01/26/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/025,282	12/19/2001	Mark W. Bleyer	3433-333	5918	

TITLE OF INVENTION: RADIOPAQUE IMPLANTABLE COLLAGENOUS BIOMATERIAL DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/26/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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appropriate. All further indicated unless correct maintenance fee notificated appropriate.	ted below or directed otl	ng the Patent, advance of herwise in Block 1, by (a	rders and notification a) specifying a new c	of m orres	naintenance fees v pondence address;	vill be and/or	mailed to the current r (b) indicating a sepa	corresp rate "F	oondence address as EE ADDRESS" for
CURRENT CORRESPOND		Note: A certificate of mailing can only be used for domestic mail Fee(s) Transmittal. This certificate cannot be used for any other acc papers. Each additional paper, such as an assignment or formal dra have its own certificate of mailing or transmission.					other accompanying		
Bank One Cente Suite 3700	Moriarty and McNe	:Nett		Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.					
111 Monument Circle Indianapolis, IN 46204-5137						(Depositor's name)			
r ,									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONE	FIRMATION NO.
10/025,282 TITLE OF INVENTION	12/19/2001 N: RADIOPAQUE IMPL	ANTABLE COLLAGEN	Mark W. Bleyer IOUS BIOMATERIAI		VICE		3433-333		5918
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nonprovisional	NO	\$1510	\$300		\$0		\$1810		04/26/2010
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	3					
LEAVITT, M.	ARIA GOMEZ	1633	424-600000						
"Fee Address" inc PTO/SB/47; Rev 03- Number is required 3. ASSIGNEE NAME A PLEASE NOTE: Un	AND RESIDENCE DATA tless an assignee is ident th in 37 CFR 3.11. Com	" Indication form	data will appear on t	rnativesingles or a store attored to the partype or type gan a	rely, e firm (having as a gent) and the nam rneys or agents. If printed. e) ttent. If an assign assignment.	membes of uno nam	p to le is 3dentified below, the do	ocumen	t has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	orporati	ion or other private gro	oup entit	ty 🗖 Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 						
	atus (from status indicate ns SMALL ENTITY state		☐ b. Applicant is no	o long	ger claiming SMAl	LL EN	ΓΙΤΥ status. See 37 CF	FR 1.27	(g)(2).
NOTE: The Issue Fee ar interest as shown by the	nd Publication Fee (if req records of the United Sta	uired) will not be accepte ites Patent and Trademark	d from anyone other the Office.	nan th	ne applicant; a regi	stered	attorney or agent; or th	e assigr	nee or other party in
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an application Confider	ntiality is governed by 35 and application form to the tions for reducing this bu Virginia 22313-1450. DO	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	1.14 This collection i	e ecti	imated to take 12 i	minute	to complete includin	a antho	ring preparing and

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75	90 01/26/2010	EXAMINER			
Woodard, Emhar	dt, Naughton, Moria	LEAVITT, MARIA GOMEZ			
Bank One Center/T	Cower	ART UNIT	PAPER NUMBER		
Suite 3700 111 Monument Cir	vola	1633 DATE MAILED: 01/26/2010			
Indianapolis, IN 46					

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/025,282	BLEYER ET AL.			
Notice of Allowability	Examiner	Art Unit			
		1622			
	MARIA LEAVITT	1633			
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr IGHTS . This application is	in this application. If not include nunication will be mailed in due o	d ourse. THIS		
1. This communication is responsive to <u>10-09-2009</u> .					
2. The allowed claim(s) is/are <u>54-60, 62, 66 and 67</u> .					
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	e been received. e been received in Applica	ion No	on from the		
International Bureau (PCT Rule 17.2(a)).	caments have been receiv	ed in tine national stage applicati			
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the req	uirements		
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			OTICE OF		
5. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.				
(a) 🔲 including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew (PTO-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment	or in the Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			ote the		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of	Informal Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),			
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No	o./Mail Date			
Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit		's Statement of Reasons for Allov	vance		
of Biological Material 9. ☐ Other					
/Maria Leavitt/					
Primary Examiner, Art Unit 1633					

Art Unit: 1633

Detailed action

Reasons for allowance

The following is an examiner's statement of reasons for allowance: The prior art of record does not teach or suggest a radiopaque, implantable biomaterial device, comprising:

a bioabsorbable collagenous biomaterial including a plurality of collagenous strips that are bonded to one another to form a layered structure, wherein said collagenous strips comprise tunica submucosa tissue from a warm-blooded vertebrate tissue source and said collagenous biomaterial is effective to promote remodeling of tissue of a patient at a site at which said collagenous biomaterial is implanted, and wherein said strips are bonded to one another by using sutures, staples, or biocompatible adhesives or by dehydrating overlapping strips, said layered structure including a first collagenous strip having a surface opposing a surface of a second collagenous strip; and a radiopaque marker positioned and completely contained between said opposing surfaces of said first collagenous strip and said second collagenous strip.

Withdrawn rejections in response to Applicants' amendments

Claim Rejections - 35 USC § 103

The previous rejection of claims 54-60, 62, 66 and 67 under 35 USC § 103 as being unpatentable over Badylak et al., (US Patent No. 6,099,567, effective priority filing date, 10 December 1996) in view of Stinson et al., (US 2004/0111149 A1, Date of filing August 1, 1997) has been withdrawn in view of Applicants' amendment to claims 54 and 67.

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Note that the combined disclosure of Badylak et al., and Stinson et al., does not teach or suggest of a radiopaque, implantable biomaterial device, comprising a radiopaque marker positioned and completely contained between the opposing surfaces of a first collagenous strip and a second collagenous strip. Accordingly, a radiopaque marker that is diffused or not completely enclosed between the opposing surfaces of said first collagenous strip and said second collagenous strip will not fall within the scope of the claimed invention. Also note that a radiopaque marker positioned and completely contained between the opposing surfaces of said first collagenous strip and said second collagenous strip should not be reasonably expected to be released from the implant as the bioabsorbable material degrades into the systemic circulation as easily as the radiopaque marker in the bioabsorbable material taught by Stinson.

Claim Rejections - 35 USC § 112- Second Paragraph

The previous rejection of claims 54-60, 62, 66 and 67 under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention has been withdrawn in view of Applicants' amendment to claims 54 and 67.

Conclusion

Claims 54-60, 62, 66 and 67 are allowed.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maria Leavitt whose telephone number is 571-272-1085. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Woitach, Ph.D can be reached on (571) 272-0739. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 1633; Central Fax No. (571) 273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Maria Leavitt/

Maria Leavitt Primary Examiner, Art Unit 1633